Product Datasheet

Caspase 1 Antibody NB100-56565SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-56565SS

Caspase 1 Antibody (14F468)

Product Information	
Unit Size	0.025 mg
Concentration	Concentration 0.5
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	14F468
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS containing 0.05% BSA.
Target Molecular Weight	45 kDa kDa
Product Description	
Host	Mouse
Gene ID	834
Gene Symbol	CASP1
Species	Human, Mouse
Species Reactivity	Human and Mouse. Predicted to react with Rat. Immunogen's sequence similarity with other species: Porcine/Pig (85%), Equine/Horse (80%), Canine (70%)
Specificity/Sensitivity	The antibody will recognize full-length Caspase-1 and cleaved caspase-1 forms that retain amino acids 371-390 of the Caspase-1 protein.
Immunogen	A synthetic peptide corresponding to amino acids 371-390 RKVRFSFEQPDGRAQMPTTE of human caspase-1 was used as immunogen.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Western Blot 0.5-2 ug/ml
Application Notes	Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.





Immunohistochemistry-Paraffin: Caspase 1 Antibody (14F468) [NB100-56565] - IHC-P detection of Caspase 1 protein in a section of normal lung from human using 5 ug/ml concentration of Caspase 1 antibody (clone 14F468). In this representative lung section, different type of cells including pseudostratified columnar epithelium of bronchiole and the simple squamous epithelium of alveoli may be seen to develop immunoreactivity for Caspase 1. [10X Magnification]

Immunohistochemistry-Paraffin: Caspase 1 Antibody (14F468) [NB100-56565] - IHC-P detection of Caspase 1 in a section of normal skin from human using 5 ug/ml concentration of Caspase 1 antibody (clone 14F468). Strong cytoplasmic/nuclear staining developed in all the epidermal cells, blood vessels and some cells of the dermal connective tissues layer. [10X Magnification]





Publications

Duncan JA, Gao X, Huang MT et al. Neisseria gonorrhoeae activates the proteinase cathepsin B to mediate the signaling activities of the NLRP3 and ASC-containing inflammasome. J Immunol. 2009 May 15 [PMID: 19414800]

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de Rivero Vaccari JP, Bastien D, Yurcisin G et al. P2X4 receptors influence inflammasome activation after spinal cord injury. J Neurosci. 2012 Feb 29 [PMID: 22378878]

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Atay S, Gercel-Taylor C, Taylor DD. Human trophoblast-derived exosomal fibronectin induces pro-inflammatory IL-1B production by macrophages. Am J Reprod Immunol. 2011 Oct [PMID: 21410811]

More publications at http://www.novusbio.com/NB100-56565





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

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